

# UNIFIED, INTERACTIVE PRESENTATION

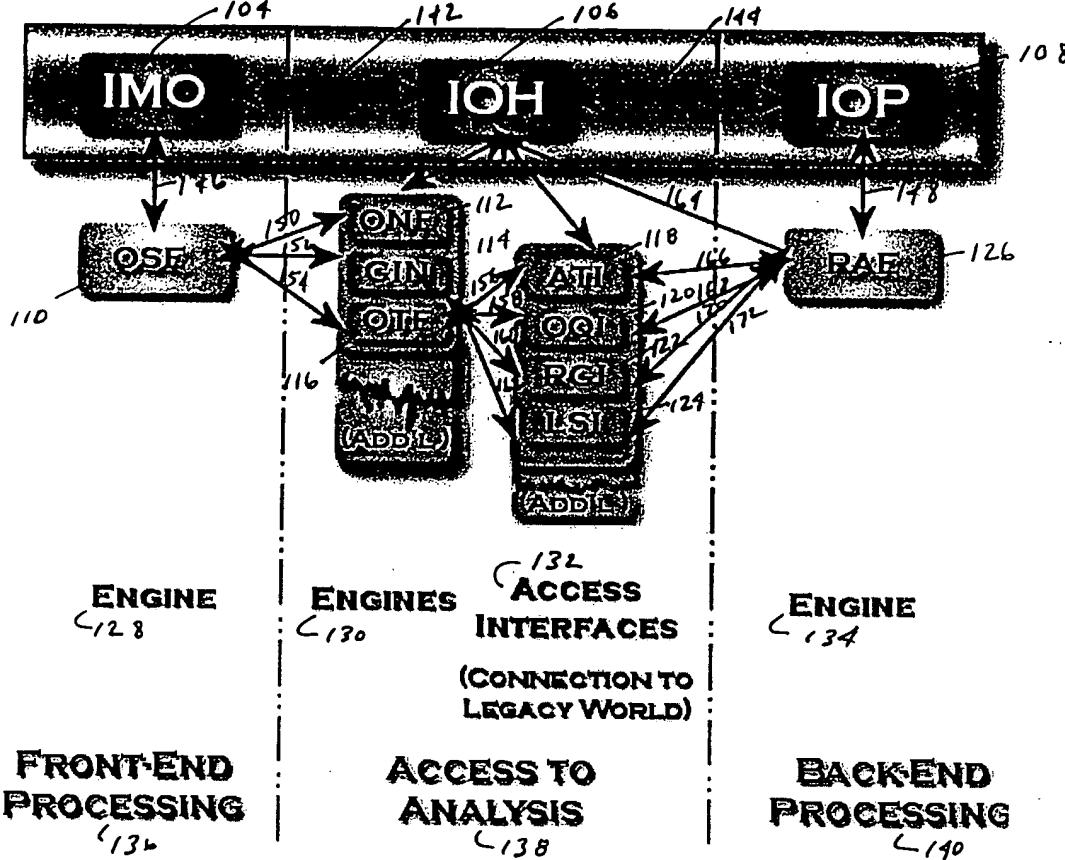
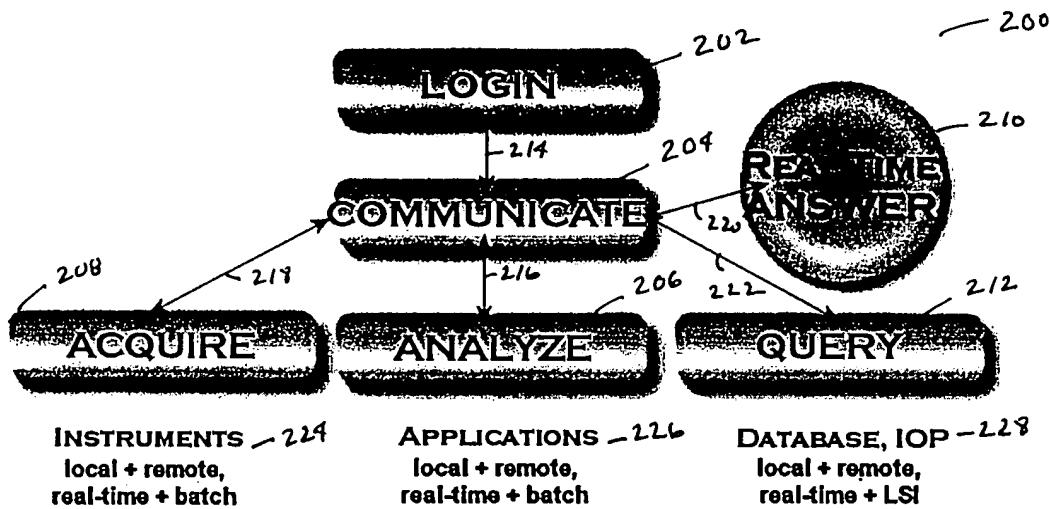


FIG. 1



**FIG. 2**

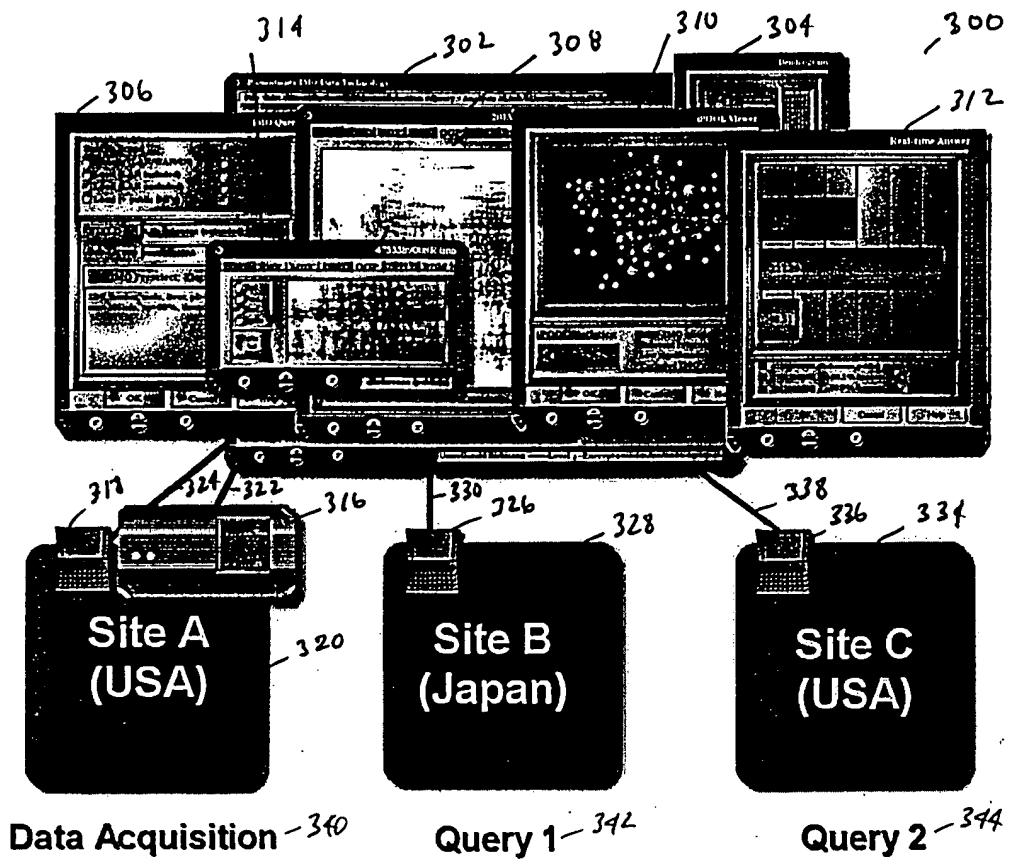


FIG. 3

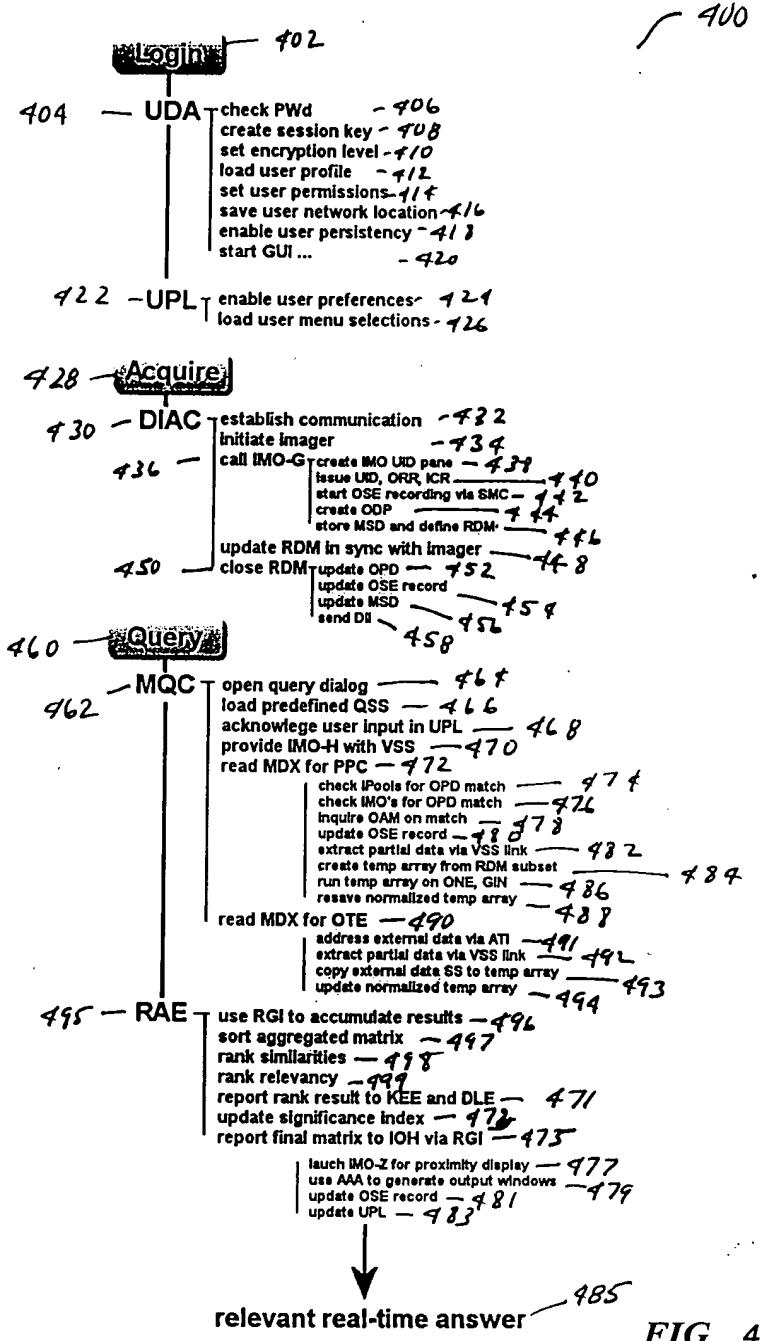


FIG. 4

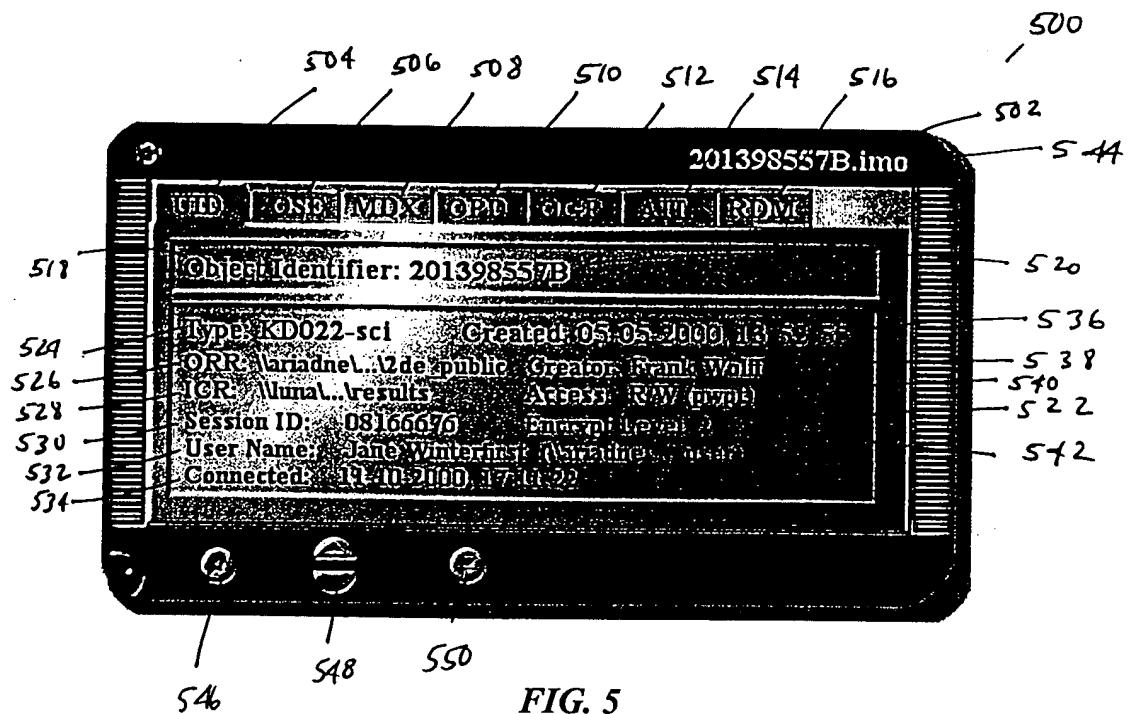
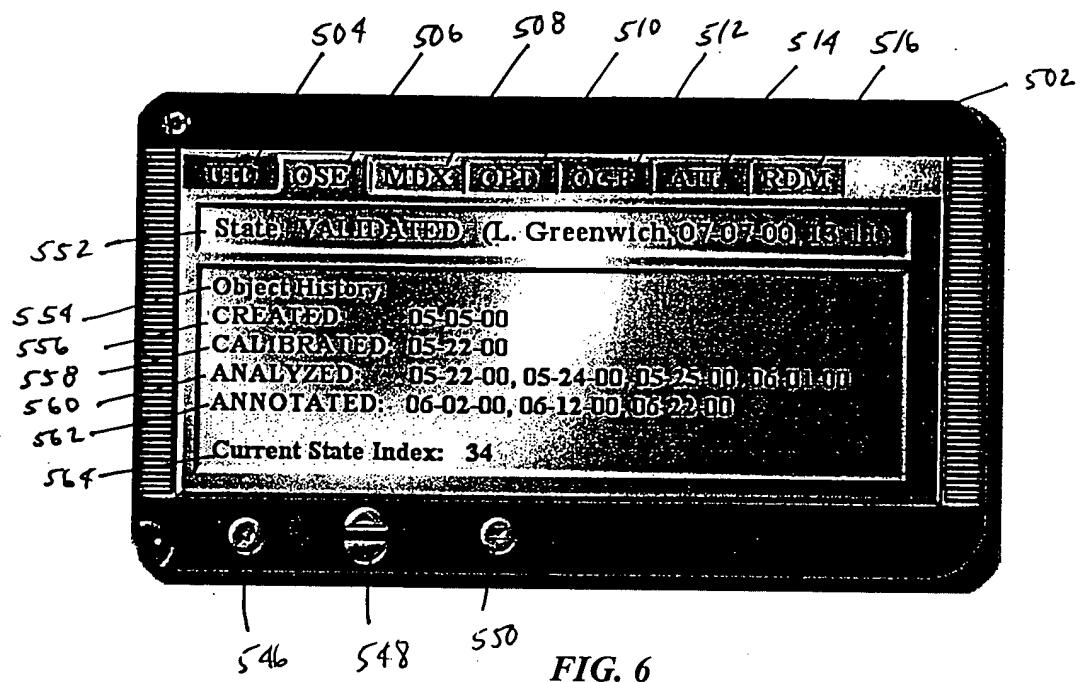


FIG. 5



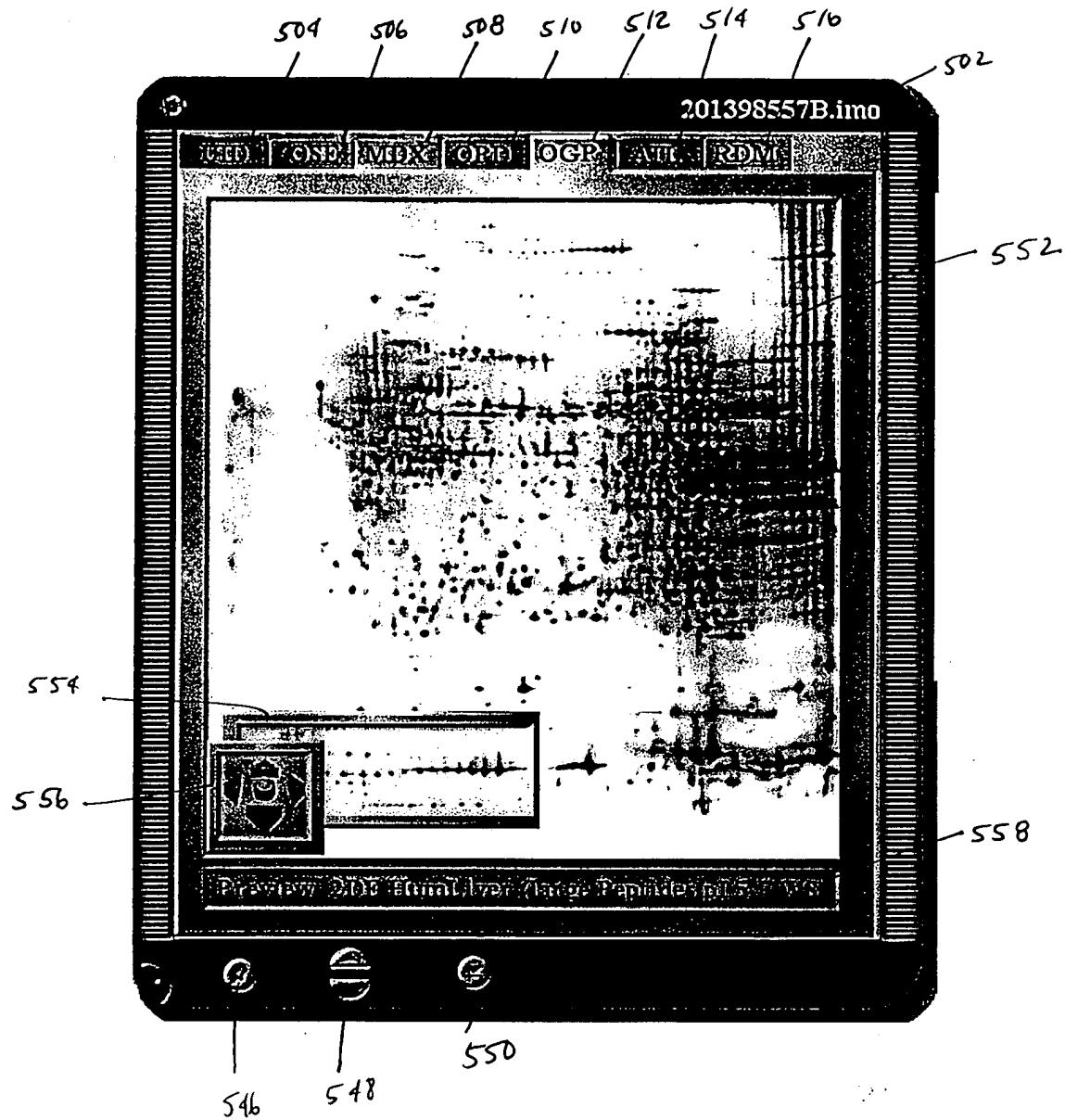


FIG. 7

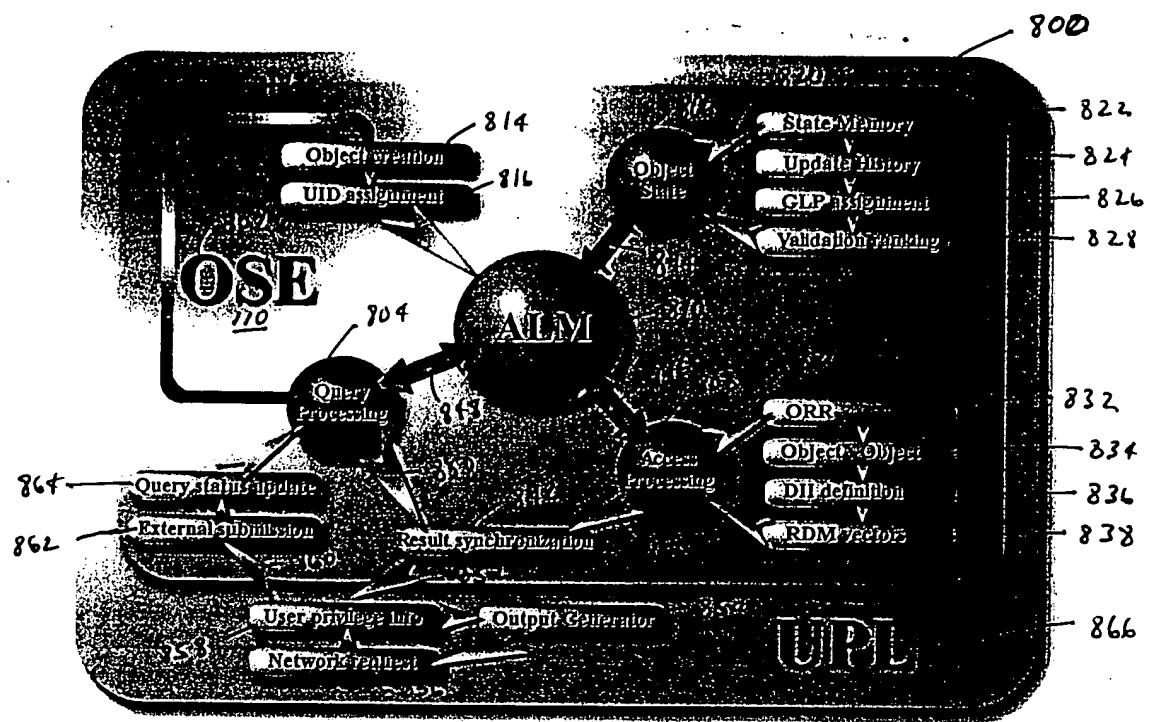


FIG. 8

IMO OSE State Lookup Table — 900

000 Object created	073 Aminoacid designation (protein sequence)
010 Data acquisition	074 Molecule function
011 DA in progress	075 Molecular structure
012 DA interrupted	
013 DA continued	
014 DA completed	
020 Data type definition	080 Functionality information
021 DT raw	081 Organism
022 DT matrix	082 Metabolic phase
023 DT structure	083 Disease relationship
024 DT vector	
025 DT pointer	100 Standardization/normalization
026 DT path	101 STD threshold
027 DT binary	102 STD base function (e.g., baseline)
028 DT ASCII	103 STD base plane (e.g., in 3D space)
040 Bio-Calibrations	14x STD all 04x (Bio; e.g., 141 STD quantitation)
041 C quantitation	15x STD all 05x (Image; e.g., 152 STD fluorescence intensity)
042 C molecular weight	
043 C isoelectric point	
044 C enzyme-activity	300 Experiment validation
045 C immunological activity	301 Invalid conditions
046 C other bio-activity	302 Invalid experiment
050 Image-Calibrations	303 Invalid interpretation
051 C optical density (OD)	304 Invalid analysis tool applied
052 C fluorescence intensity	310 Unsure result
053 C luminescence intensity	311 Unsure conditions
054 C white balance	312 Unsure method
055 C light intensity	320 Validated method
056 C dynamic range verification	321 Validated analysis
060 Measurement-Calibrations	333 Validated experiment
061 C origin	340 Forensic experiment
062 C size x	350 Certified experiment
063 C size y	
064 C position x	400 Output request
065 C position y	410 Numerical output generated
066 C position z	411 Graphical output generated
067 C length	420 Remote output sent
068 C width	430 Output printed
069 C depth	
070 Annotations	900 Access information
071 Descriptive text	901 Access denied
072 Base designation (DNA sequence)	902 Time limit exceeded
	903 User limit exceeded
	910 Inter-object communication granted
	911 User access to object granted
	920 Full access to object granted

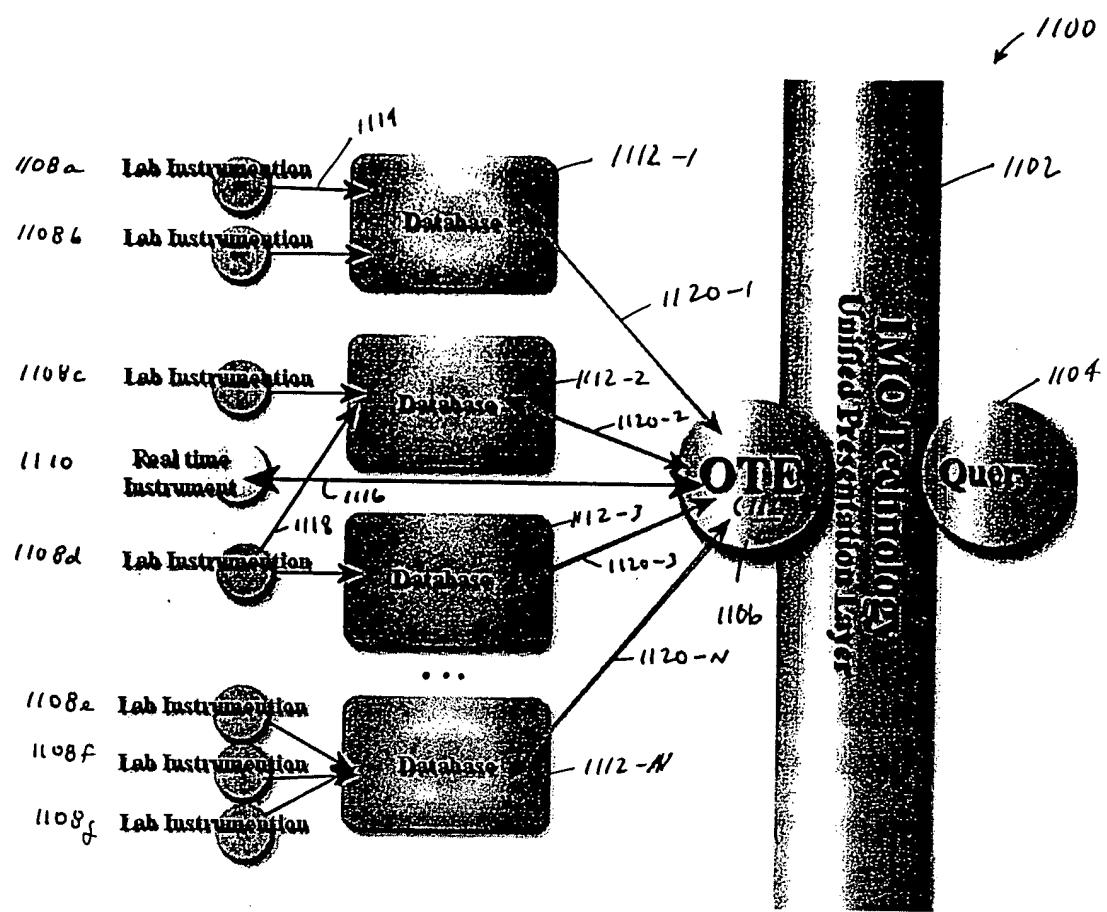
**FIG. 9**

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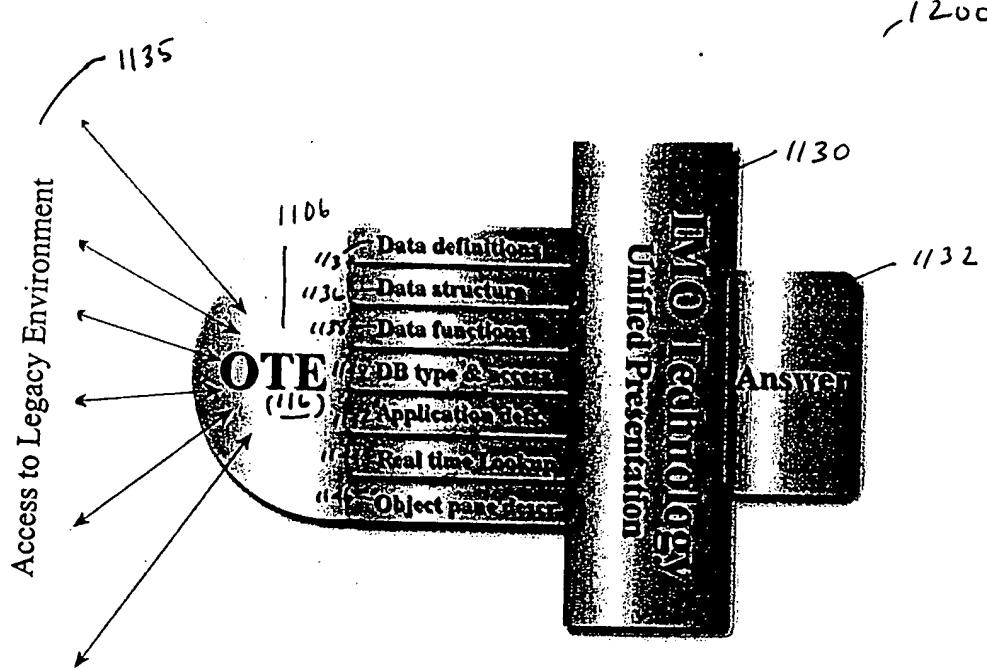
Object:

State	User/level	Network	Date/time stamp	(Explanation)
000	RAS/05	00220	12/20/2000 14:33:05	(object created)
011	WUD/02	00220	12/20/2000 14:33:07	(data: acquisition in progress)
014	WUD/02	00220	12/20/2000 16:53:07	(data: acquisition completed)
022	WUD/02	00220	12/20/2000 16:55:22	(data: matrix defined)
056	GOT/03	00220	12/21/2000 08:00:57	(image: dynam. range verified)
052	GOT/03	00220	12/21/2000 08:01:46	(image: fluoresc. intens. calib.)
041	GOT/03	00220	12/21/2000 08:16:31	(bio: quantitation calib.)
061	GOT/03	00220	12/21/2000 08:18:58	(image: origin calib.)
062	GOT/03	00220	12/21/2000 08:20:25	(image: size x calib.)
063	GOT/03	00220	12/21/2000 08:23:19	(image: size y calib.)
101	GOT/03	00220	12/21/2000 08:25:44	(std/norm: detection threshold)
164	GOT/03	00220	12/21/2000 08:41:12	(std/norm: measurement x)
165	GOT/03	00220	12/21/2000 08:45:30	(std/norm: measurement y)
901	KRE/05	00080	12/21/2000 08:45:31	(access denied)
911	AAH/02	04092	12/21/2000 08:45:44	(user: access to object granted)
071	AAH/02	04092	12/21/2000 08:45:50	(anno: descript. text)
024	GOT/03	00220	12/21/2000 08:52:12	(data: vector defined)
911	BLD/03	00693	12/21/2000 09:02:36	(user: access to object granted)
073	BLD/03	00693	12/21/2000 09:02:39	(anno: AA protein sequence)
045	GOT/03	00220	12/21/2000 09:14:08	(bio: immunol. activity)
046	GOT/03	00220	12/21/2000 09:39:41	(bio: other bio-activity)
410	GOT/03	00220	12/21/2000 09:42:31	(output: numerical output)
411	GOT/03	00220	12/21/2000 09:44:07	(output: graphical output)
430	GOT/03	00220	12/21/2000 09:42:31	(output: printed)
....				

FIG. 10



**FIG. 11**



**FIG. 12**

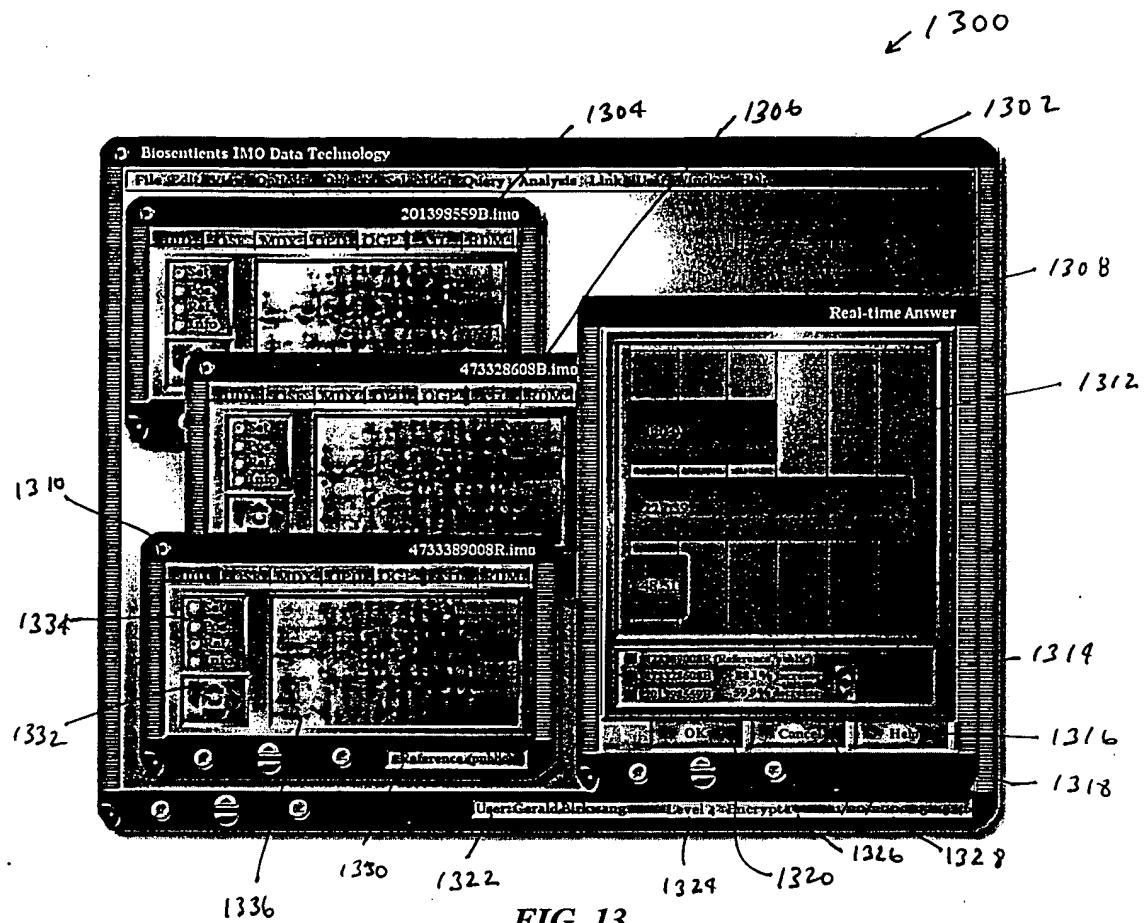
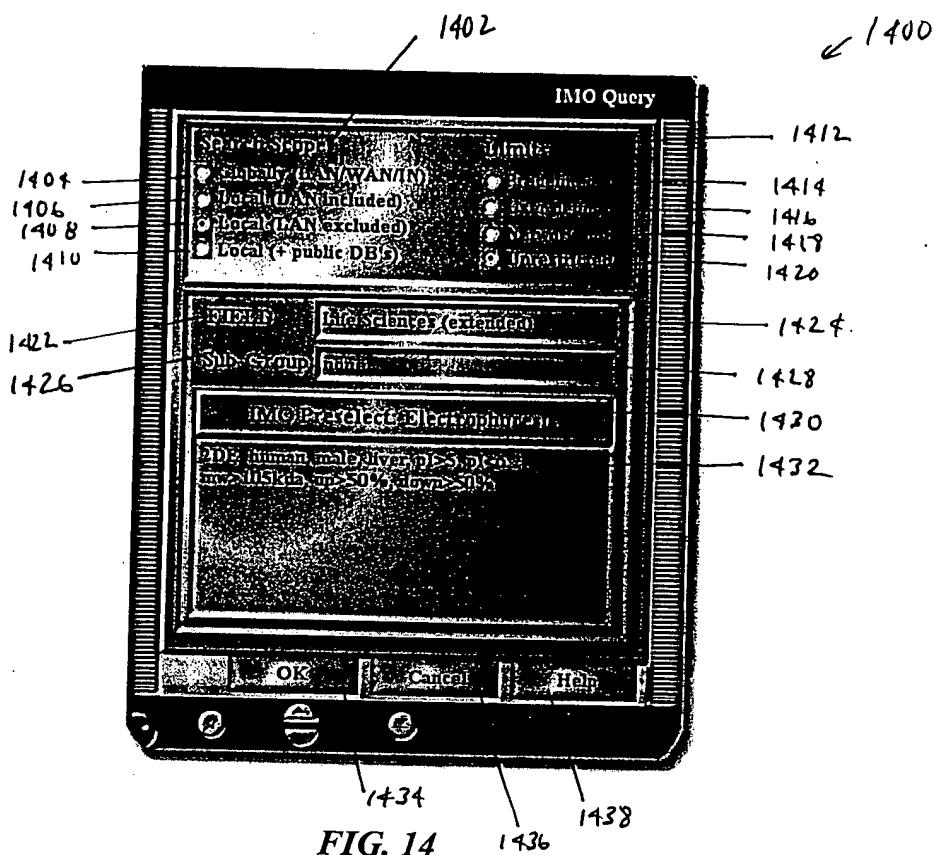
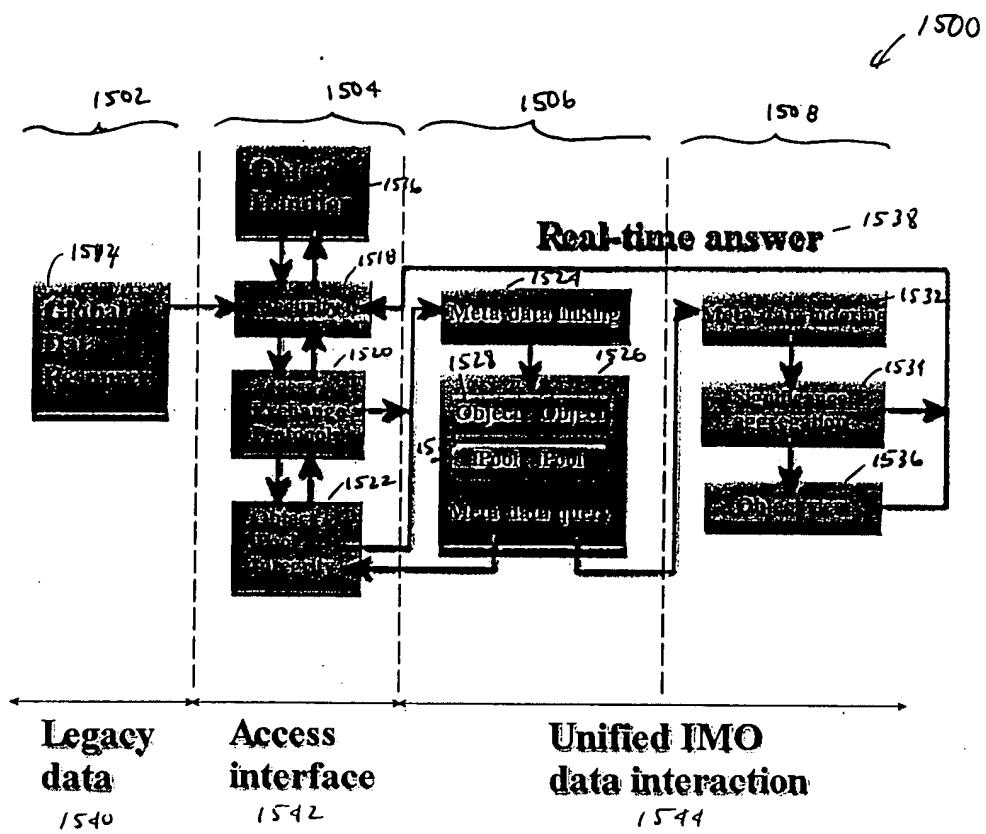
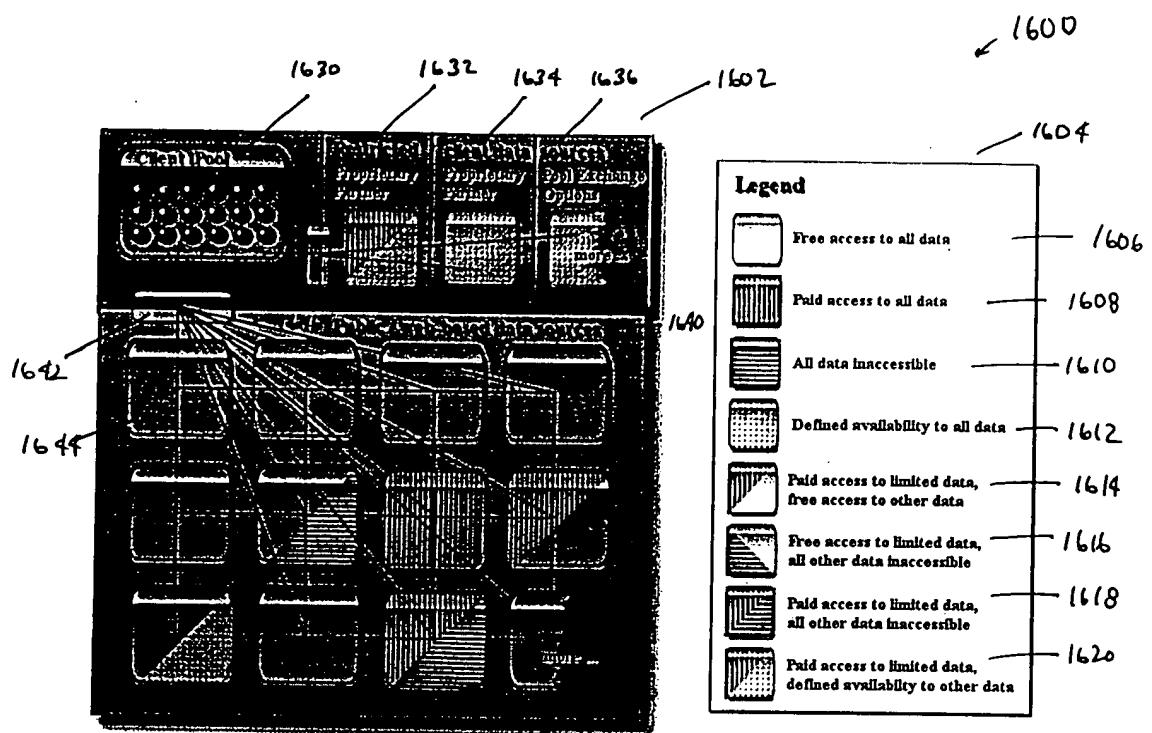


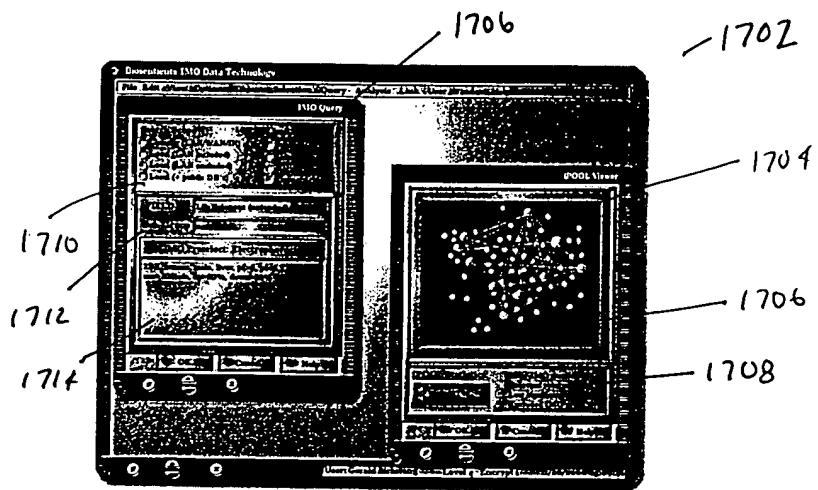
FIG. 13





*FIG. 15*





**FIG. 17A**

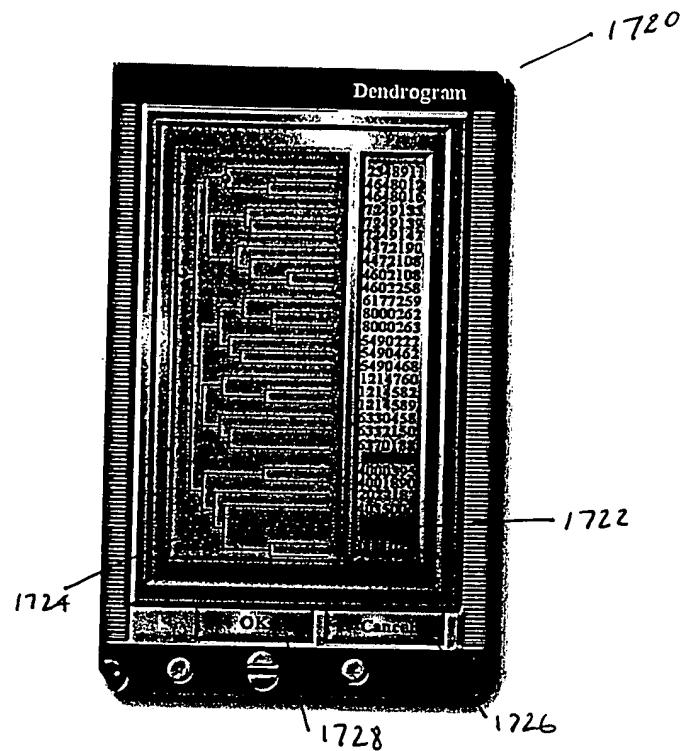


FIG. 17B

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FIG. 17C

